

## Contents

### *Marine Geology Volume 90, 1989*

#### **Special issue. Studies Related to Continental Margins**

**(Edited by M.C. Hunt and S.V. Doenges)**

#### Preface

M.C. Hunt (Herndon, Va., U.S.A.) and S.V. Doenges (Austin, Tex., U.S.A.) .....	VII
--	-----

#### Geology and petroleum potential of Hope and Selawik Basins, offshore northwestern Alaska

J. Decker, M.S. Robinson, J.G. Clough and W.M. Lyle (Fairbanks, Alaska, U.S.A.) .....	1
---	---

#### Depositional framework and hydrocarbon resources of the early Miocene (Fleming) episode, northwest Gulf Coast Basin

W.E. Galloway (Austin, Tex., U.S.A.) .....	19
--	----

#### Preliminary assessments of the occurrence and effects of utilization of sand and aggregate resources of the Louisiana inner shelf

J.R. Suter (Baton Rouge, La. and Houston, Tex., U.S.A.) and J. Mossa and S. Penland (Baton Rouge, La., U.S.A.) ...	31
--	----

#### Regional Jurassic geologic framework of Alabama coastal waters area and adjacent Federal waters area

R.M. Mink, B.L. Bearden and E.A. Mancini (Tuscaloosa, Ala., U.S.A.) .....	39
---	----

#### Heavy-mineral reconnaissance off the coast of the Apalachicola river delta, northwest Florida: A summary and new interpretations

J.D. Arthur, S. Melkote, J. Applegate and T.M. Scott (Tallahassee, Fla., U.S.A.) .....	51
--	----

#### Mineral resource assessments for the continental shelf of Georgia as a part of the Continental Margins Studies Program: seismic interpretation of the phosphatic Miocene-age Hawthorne Group

J.A. Kellam, E.A. Shapiro and V.J. Henry (Atlanta, Ga., U.S.A.) .....	59
---	----

#### Lithostratigraphic-seismic evaluation of hydrocarbon potential: North Carolina coastal and continental margins

C.C. Almy Jr. (Greensboro, N.C., U.S.A.) .....	69
--	----

#### Heavy mineral potential of offshore Virginia

C.R. Berquist Jr. (Charlottesville, Va., U.S.A.) and C.H. Hobbs III (Gloucester Point, Va., U.S.A.) .....	83
---	----

#### Petroleum geology of the mid-Atlantic continental margin, offshore Virginia

K.C. Bayer (Reston, Va., U.S.A.) and R.C. Milici (Charlottesville, Va., U.S.A.) .....	87
---	----

#### Non-energy minerals and surficial geology of the continental margin of Maryland

R.T. Kerhin (Baltimore, Md., U.S.A.) .....	95
--	----

#### Geologic framework of the offshore region adjacent to Delaware

R.N. Benson and J.H. Roberts (Newark, Del., U.S.A.) .....	103
---	-----

#### Depositional sequences in the Cretaceous post-rift sediments on the New Jersey Atlantic margin

R.K. Olsson (New Brunswick, N.J., U.S.A.) .....	113
---	-----

#### Search for clues to Mesozoic graben on Long Island

W.B. Rogers (Albany, N.Y., U.S.A.), M. Aparisi (Westfield, Mass., U.S.A.) and L. Sirkin (Garden City, N.Y., U.S.A.) ...	119
---	-----

#### Non-energy resources, Connecticut and Rhode Island coastal waters

N.F. Neff (Narragansett, R.I., U.S.A.) and R.S. Lewis (Groton, Conn., U.S.A.) .....	125
---	-----

#### Sediments of the inner continental shelf: a progress report on projects in New Hampshire

F.S. Birch (Durham, N.H., U.S.A.) .....	131
---	-----

#### Sedimentary framework of the southern Maine inner continental shelf: influence of glaciation and sea-level change

J.T. Kelley (Augusta, Maine, U.S.A.) and D.F. Belknap and R.C. Shipp (Orono, Maine, U.S.A.) .....	139
---	-----

#### *Research Papers*

#### A new instrument for measuring settling velocities *in situ*

G.C. Kineke, R.W. Sternberg and R. Johnson (Seattle, Wash., U.S.A.) .....	149
---	-----

#### The effect of particle settling velocity on computed suspended sediment concentration profiles

G.C. Kineke and R.W. Sternberg (Seattle, Wash., U.S.A.) .....	159
---	-----

#### Clay-size minerals as indicators of modern sedimentary processes in submarine canyons: Application to the Wilmington Canyon System

M.P. Segall, S.A. Kuehl and M. Gipson Jr. (Columbia, S.C., U.S.A.) .....	175
--	-----

*Letter Section*

Late Holocene higher sea level indicators from eastern Australia	
P.G. Flood (Armidale, N.S.W., Australia) and E. Frankel (Sydney, N.S.W., Australia) .....	193
Age des carbonates de plate-forme du Site 392A DSDP (Leg 44), marge atlantique du continent nord-américain	
E. Fourcade et B. Granier (Paris, France) .....	197
<i>Current Titles in Marine Geology</i> .....	205
<b>Special issue. Cheniers and Chenier Plains</b>	
<b>(Edited by P.G.E.F. Augustinus)</b>	
Preface .....	iii
Cheniers and chenier plains: a general introduction	
P.G.E.F. Augustinus (Utrecht, The Netherlands) .....	219
The geomorphology of the Mississippi River chenier plain	
S. Penland and J. Suter (Baton Rouge, La., U.S.A.) .....	231
Coastal dynamics and chenier sands in French Guiana	
M.T. Prost (Cayenne, French Guiana) .....	259
The chenier coast of Suriname: modern and geological development	
P.G.E.F. Augustinus, L. Hazelhoff and A. Kroon (Utrecht, The Netherlands) .....	269
The chenier plain coastal system of Guyana	
J.R.K. Daniel (Georgetown, Guyana) .....	283
Approaches to the study of cheniers along the coastline of the Soviet Union	
Y.D. Shuisky (Odessa, U.S.S.R.) .....	289
Chenier plain development in northern Sierra Leone, West Africa	
E.J. Anthony (Strasbourg, France) .....	297
Cheniers in China: an overview	
Zhao Xitao (Beijing, China) .....	311
Cheniers on the east coastal plain of China	
Ying Wang and Xiankun Ke (Nannjing, China) .....	321
Holocene cheniers in the Yangtze Delta, China	
Yan Qinshang, Xu Shiyuan and Shao Xusheng (Shanghai, China) .....	337
Chenier research on the Australian coast	
A.D. Short (Sydney, Australia) .....	345
<i>Contents Volume 90</i> .....	353

